

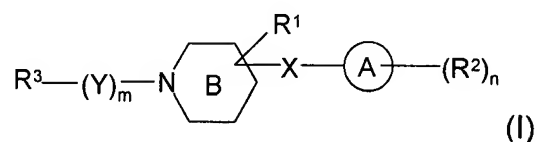
## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### In the Claims:

What is claimed is:

1. (Currently Amended) A compound of formula (I)



or a pharmaceutically acceptable derivative thereof, wherein:

X is a C<sub>1-5</sub> alkylene chain, wherein said X is optionally substituted by one or more =O, =S, -S(O)<sub>t</sub>, alkyl, or halogen and ~~wherein said C<sub>1-5</sub> alkylene chain may optionally have 0-3 heteroatoms selected from oxygen, phosphorus, sulfur, or nitrogen;~~

Ring A is a saturated, ~~partially saturated or aromatic 3-7 monocyclic or 8-10~~ 8-membered bicyclic ring having one ring nitrogen and 0-4 additional heteroatoms ~~selected from oxygen, phosphorus, sulfur, or nitrogen;~~

Ring B has an oxygen atom in addition to the depicted nitrogen;

R<sup>1</sup> is ~~alkyl optionally substituted by one or more R<sup>7</sup>, alkenyl optionally substituted by one or more R<sup>7</sup>, alkynyl optionally substituted by one or more R<sup>7</sup>, cycloalkyl optionally substituted by one or more R<sup>8</sup>, heterocyclyl optionally substituted by one or more R<sup>8</sup>, heteroaryl optionally substituted by one or more R<sup>6</sup>, or aryl phenyl optionally substituted by one or more R<sup>6</sup>; or R<sup>1</sup> and X taken together form a saturated, partially saturated or aromatic 5-6 membered ring having 0-3 heteroatoms selected from oxygen, phosphorus, sulfur, or nitrogen that is fused to Ring A;~~

each R<sup>2</sup> is independently selected from the group consisting of -OR<sup>0</sup>,

-C(O)-R<sup>0</sup>, -S(O)<sub>2</sub>-R<sup>0</sup>, -C(O)-N(R<sup>0</sup>)<sub>2</sub>, -S(O)<sub>2</sub>-N(R<sup>0</sup>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>a</sub>-N(R<sup>0</sup>)(-V<sub>b</sub>-R<sup>+</sup>), -(CH<sub>2</sub>)<sub>a</sub>-(-V<sub>b</sub>-R<sup>+</sup>), halogen, alkyl optionally substituted by one or more R<sup>7</sup>, alkenyl optionally substituted by one or more R<sup>7</sup>, alkynyl optionally substituted by one or more R<sup>7</sup>, aryl optionally substituted by one or more R<sup>6</sup>, heteroaryl optionally substituted by one or more R<sup>6</sup>, cycloalkyl optionally substituted by one or more R<sup>8</sup>, and heterocyclyl optionally substituted by one or more R<sup>8</sup>; and two adjacent R<sup>2</sup>s on Ring A are optionally taken together to form a fused, saturated, partially saturated or aromatic 5-6 membered ring having 0-3 heteroatoms selected from oxygen, phosphorus, sulfur, or nitrogen; or two geminal R<sup>2</sup>s are optionally taken together to form a spiro, saturated, partially saturated or aromatic 5-6 membered ring having 0-3 heteroatoms selected from oxygen, phosphorus, sulfur, or nitrogen, said fused or spiro ring being optionally substituted by one or more R<sup>8</sup>;

each a independently is 0-3;

each b independently is 0 or 1;

V is -C(O)-, -C(O)O-, -S(O)<sub>2</sub>-, or -C(O)-N(R<sup>0</sup>)-;

R<sup>+</sup> is alkyl, cycloalkyl, aralkyl, aryl, heteroaryl, heteroaralkyl, or heterocyclyl, wherein said R<sup>+</sup> is optionally substituted by one or more R<sup>8</sup>;

m is 0 or 1;

n is 0-5;

R<sup>3</sup> is H, -N(R<sup>0</sup>)<sub>2</sub>, -N(R<sup>0</sup>)C(O)R<sup>0</sup>, -CN, halogen, CF<sub>3</sub>, alkyl optionally substituted by one or more groups selected from R<sup>7</sup> or -S-aryl optionally substituted by

-(CH<sub>2</sub>)<sub>1-6</sub>-N(R<sup>0</sup>)SO<sub>2</sub>(R<sup>0</sup>), alkenyl optionally substituted by one or more groups selected from R<sup>7</sup> or -S-aryl optionally substituted by -(CH<sub>2</sub>)<sub>1-6</sub>-N(R<sup>0</sup>)SO<sub>2</sub>(R<sup>0</sup>), alkynyl optionally substituted by one or more groups selected from R<sup>7</sup> or -S-aryl optionally substituted by -(CH<sub>2</sub>)<sub>1-6</sub>-N(R<sup>0</sup>)SO<sub>2</sub>(R<sup>0</sup>), cycloalkyl or carbocyclyl optionally substituted by one or more R<sup>8</sup>, aryl optionally substituted by one or more R<sup>6</sup>, heteroaryl optionally substituted by one or more R<sup>6</sup>, or heterocyclyl optionally substituted by one or more R<sup>8</sup>;

Y is ~~alkyl, alkenyl, alkynyl, (CR<sup>4</sup>R<sup>5</sup>)<sub>p</sub>, -C(O)-, -C(O)C(O)-, C(S)-, -O-(CH<sub>2</sub>)<sub>0-4</sub>-C(O)-, (CH<sub>2</sub>)<sub>0-4</sub>-C(O)-O-, N(R<sup>0</sup>)C(O)-, C(O)-N(R<sup>0</sup>), N(R<sup>0</sup>)C(S)-,~~

~~$\text{S(O)}_t$ ,  $\text{O}-\text{C}(=\text{N}-\text{CN})$ ,  $\text{O}-\text{C}(=\text{N}-\text{R}^0)$ ,  $\text{C}(=\text{N}-\text{CN})-\text{O}$ ,  $\text{C}(=\text{N}-\text{R}^0)-\text{O}$ ,  $\text{C}(=\text{N}-\text{CN})$ -  
S,~~

~~$\text{S}-\text{C}(=\text{N}-\text{CN})$ ,  $\text{N}(\text{R}^0)-\text{C}(=\text{N}-\text{CN})$ ,  $\text{C}(=\text{N}-\text{CN})$ ,  $\text{N}(\text{R}^0)-\text{C}(=\text{N}-\text{C}(\text{O})-\text{R}^0)$ ,  
 $\text{N}(\text{R}^0)-\text{C}(=\text{N}-\text{S}(\text{O})_t-\text{R}^0)$ ,  $\text{N}(\text{R}^0)-\text{C}(=\text{N}-\text{OR}^0)$ ,  $\text{N}(\text{R}^0)-\text{C}(=\text{N}-\text{R}^0)$ , or  $\text{C}(=\text{N}-\text{R}^0)$ ;~~

~~each  $\text{R}^4$  is independently H, alkyl optionally substituted by  $\text{R}^7$ , alkenyl  
optionally substituted by  $\text{R}^7$ , or alkynyl optionally substituted by  $\text{R}^7$ ;~~

~~each  $\text{R}^5$  is independently selected from H,  $\text{C}(\text{O})-\text{OR}^6$ ,  $\text{C}(\text{O})-\text{N}(\text{R}^0)_2$ ,~~

~~$\text{S}(\text{O})_2-\text{N}(\text{R}^0)_2$ ,  $\text{S}(\text{O})_2-\text{R}^0$ , aryl optionally substituted by  $\text{R}^6$ , or heteroaryl optionally  
substituted by  $\text{R}^6$ ;~~

~~p is 1-5;~~

each t independently is 1 or 2;

each  $\text{R}^6$  is independently selected from the group consisting of halogen, -  
 $\text{CF}_3$ ,  $-\text{OCF}_3$ ,  $-\text{OR}^0$ ,  $-(\text{CH}_2)_{1-6}-\text{OR}^0$ ,  $-\text{SR}^0$ ,  $-(\text{CH}_2)_{1-6}-\text{SR}^0$ ,  $-\text{SCF}_3$ ,  $-\text{R}^0$ ,  
methylenedioxy, ethylenedioxy,  $-\text{NO}_2$ ,  $-\text{CN}$ ,  $-(\text{CH}_2)_{1-6}-\text{CN}$ ,  $-\text{N}(\text{R}^0)_2$ ,  $-(\text{CH}_2)_{1-6}-$   
 $\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{C}(\text{O})\text{R}^0$ ,  $-\text{NR}^0(\text{CN})$ ,  $-\text{NR}^0\text{C}(\text{O})\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{C}(\text{S})\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{CO}_2\text{R}^0$ ,  
 $-\text{NR}^0\text{NR}^0\text{C}(\text{O})\text{R}^0$ ,  
 $-\text{NR}^0\text{NR}^0\text{C}(\text{O})\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{NR}^0\text{CO}_2\text{R}^0$ ,  $-\text{C}(\text{O})\text{C}(\text{O})\text{R}^0$ ,  $-\text{C}(\text{O})\text{CH}_2\text{C}(\text{O})\text{R}^0$ ,  
 $-(\text{CH}_2)_{0-6}\text{CO}_2\text{R}^0$ ,  $-\text{O}-\text{C}(\text{O})\text{R}^0$ ,  $-\text{C}(\text{O})\text{R}^0$ ,  $-\text{C}(\text{O})\text{N}(\text{R}^0)\text{N}(\text{R}^0)_2$ ,  $-\text{C}(\text{O})\text{N}(\text{R}^0)_2$ , -  
 $\text{C}(\text{O})\text{N}(\text{R}^0)\text{OH}$ ,  
 $-\text{C}(\text{O})\text{N}(\text{R}^0)\text{SO}_2\text{R}^0$ ,  $-\text{OC}(\text{O})\text{N}(\text{R}^0)_2$ ,  $-\text{S}(\text{O})_t\text{R}^0$ ,  $-\text{S}(\text{O})_t-\text{OR}^0$ ,  $-\text{S}(\text{O})_t\text{N}(\text{R}^0)\text{C}(\text{O})\text{R}^0$ ,  
 $-\text{S}(\text{O})_t\text{N}(\text{R}^0)\text{OR}^0$ ,  $-\text{NR}^0\text{SO}_2\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{SO}_2\text{R}^0$ ,  $-\text{C}(=\text{S})\text{N}(\text{R}^0)_2$ ,  $-\text{C}(=\text{NH})-\text{N}(\text{R}^0)_2$ ,  
 $-(\text{CH}_2)_{1-6}-\text{C}(\text{O})\text{R}^0$ ,  $-\text{C}(=\text{N}-\text{OR}^0)-\text{N}(\text{R}^0)_2$ ,  $-\text{O}-(\text{CH}_2)_{0-6}-\text{SO}_2\text{N}(\text{R}^0)_2$ ,  $-(\text{CH}_2)_{1-6}$   
 $\text{NHC}(\text{O})\text{R}^0$ , and  $-\text{SO}_2\text{N}(\text{R}^0)_2$  wherein the two  $\text{R}^0$ s on the same nitrogen are  
optionally taken together to form a 5-8 membered saturated, partially saturated,  
or aromatic ring having additional 0-4 heteroatoms selected from oxygen,  
phosphorus, nitrogen, or sulfur;

each  $\text{R}^7$  is independently selected from the group consisting of halogen, -  
 $\text{CF}_3$ ,  $-\text{R}^0$ ,  $-\text{OR}^0$ ,  $-\text{OCF}_3$ ,  $-(\text{CH}_2)_{1-6}-\text{OR}^0$ ,  $-\text{SR}^0$ ,  $-\text{SCF}_3$ ,  $-(\text{CH}_2)_{1-6}-\text{SR}^0$ , aryl optionally  
substituted by  $\text{R}^6$ , methylenedioxy, ethylenedioxy,  $-\text{NO}_2$ ,  $-\text{CN}$ ,  $-(\text{CH}_2)_{1-6}-\text{CN}$ , -  
 $\text{N}(\text{R}^0)_2$ ,  $-(\text{CH}_2)_{1-6}-\text{N}(\text{R}^0)_2$ ,  $-\text{NR}^0\text{C}(\text{O})\text{R}^0$ ,  $-\text{NR}^0(\text{CN})$ ,  $-\text{NR}^0\text{C}(\text{O})\text{N}(\text{R}^0)_2$ , -  
 $\text{N}(\text{R}^0)\text{C}(\text{S})\text{N}(\text{R}^0)_2$ ,

-NR<sup>0</sup>CO<sub>2</sub>R<sup>0</sup>, -NR<sup>0</sup>NR<sup>0</sup>C(O)R<sup>0</sup>, -NR<sup>0</sup>NR<sup>0</sup>C(O)N(R<sup>0</sup>)<sub>2</sub>, -NR<sup>0</sup>NR<sup>0</sup>CO<sub>2</sub>R<sup>0</sup>,  
 -C(O)C(O)R<sup>0</sup>, -C(O)CH<sub>2</sub>C(O)R<sup>0</sup>, -(CH<sub>2</sub>)<sub>0-6</sub>-CO<sub>2</sub>R<sup>0</sup>, -C(O)R<sup>0</sup>, -C(O)N(R<sup>0</sup>)N(R<sup>0</sup>)<sub>2</sub>, -  
 C(O)N(R<sup>0</sup>)<sub>2</sub>, -C(O)N(R<sup>0</sup>)OH, -OC(O)R<sup>0</sup>, -C(O)N(R<sup>0</sup>)SO<sub>2</sub>R<sup>0</sup>, -OC(O)N(R<sup>0</sup>)<sub>2</sub>,  
 -S(O)<sub>t</sub>R<sup>0</sup>, -S(O)<sub>t</sub>-OR<sup>0</sup>, -S(O)<sub>t</sub>N(R<sup>0</sup>)C(O)R<sup>0</sup>, -S(O)<sub>t</sub>N(R<sup>0</sup>)OR<sup>0</sup>, -NR<sup>0</sup>SO<sub>2</sub>N(R<sup>0</sup>)<sub>2</sub>,  
 -NR<sup>0</sup>SO<sub>2</sub>R<sup>0</sup>, -C(=S)N(R<sup>0</sup>)<sub>2</sub>,  
 -C(=NH)-N(R<sup>0</sup>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>1-6</sub>-C(O)R<sup>0</sup>, -C(=N-OR<sup>0</sup>)-N(R<sup>0</sup>)<sub>2</sub>, -O-(CH<sub>2</sub>)<sub>0-6</sub>-SO<sub>2</sub>N(R<sup>0</sup>)<sub>2</sub>,  
 -(CH<sub>2</sub>)<sub>1-6</sub>-NHC(O)R<sup>0</sup>, and -SO<sub>2</sub>N(R<sup>0</sup>)<sub>2</sub> wherein the two R<sup>0</sup>s on the same nitrogen  
 are optionally taken together to form a 5-8 membered saturated, partially  
 saturated, or aromatic ring having additional 0-4 heteroatoms selected from  
 oxygen, phosphorus, nitrogen, or sulfur;

each R<sup>8</sup> is independently selected from R<sup>7</sup>, =O, =S, =N(R<sup>0</sup>), and =N(CN);

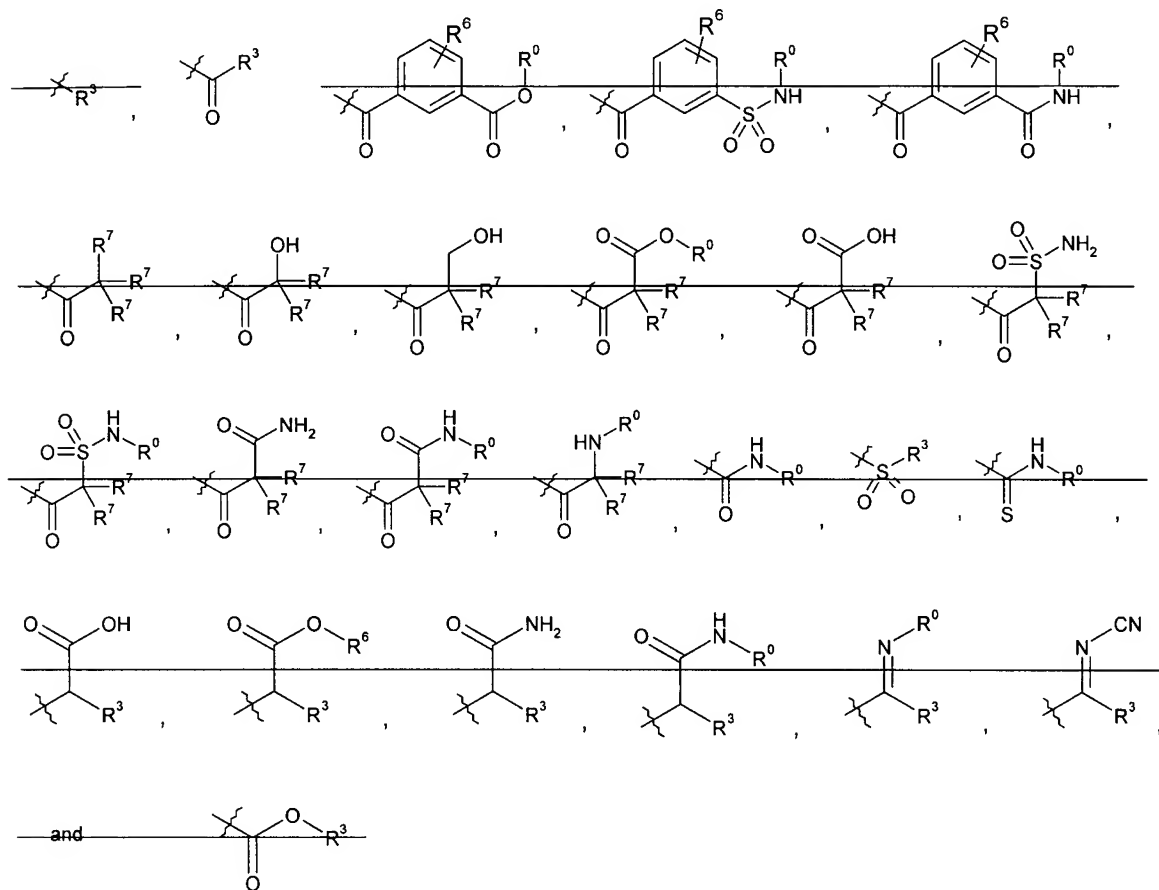
each R<sup>0</sup> is independently selected from the group consisting of hydrogen,  
 alkyl, alkenyl, alkynyl, cycloalkyl, carbocyclalkyl, aryl, heteroaryl, aralkyl,  
 heteroaralkyl, heterocyclalkyl, or heterocyclalkyl, wherein each member of R<sup>0</sup>  
 except H is optionally substituted by one or more R\*, OR\*, N(R\*)<sub>2</sub>, =O, =S, halo,  
 CF<sub>3</sub>, NO<sub>2</sub>, CN, -C(O)R\*, -CO<sub>2</sub>R\*, -C(O)-aryl, -C(O)-heteroaryl, -C(O)-aralkyl,  
 -S(O)<sub>t</sub>-aryl,  
 -S(O)<sub>t</sub>-heteroaryl, -NR\*SO<sub>2</sub>R\*, -NR\*C(O)R\*, -NR\*C(O)N(R\*)<sub>2</sub>, -N(R\*)C(S)N(R\*)<sub>2</sub>,  
 -NR\*CO<sub>2</sub>R\*, -NR\*NR\*C(O)R\*, -NR\*NR\*C(O)N(R\*)<sub>2</sub>, -NR\*NR\*CO<sub>2</sub>R\*,  
 -C(O)C(O)R\*, -C(O)CH<sub>2</sub>C(O)R\*, -C(O)N(R\*)N(R\*)<sub>2</sub>, -C(O)N(R\*)<sub>2</sub>,  
 -C(O)NR\*SO<sub>2</sub>R\*, -OC(O)N(R\*)<sub>2</sub>, -S(O)<sub>t</sub>R\*, -NR\*SO<sub>2</sub>N(R\*)<sub>2</sub>, and -SO<sub>2</sub>N(R\*)<sub>2</sub>  
 wherein the two R\*s on the same nitrogen are optionally taken together to form a  
 5-8 membered saturated, partially saturated or aromatic ring having additional 0-  
 4 heteroatoms selected from oxygen, phosphorus, nitrogen or sulfur; and  
 each R\* is independently H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, or  
 heteroaryl.

2. (Cancelled).

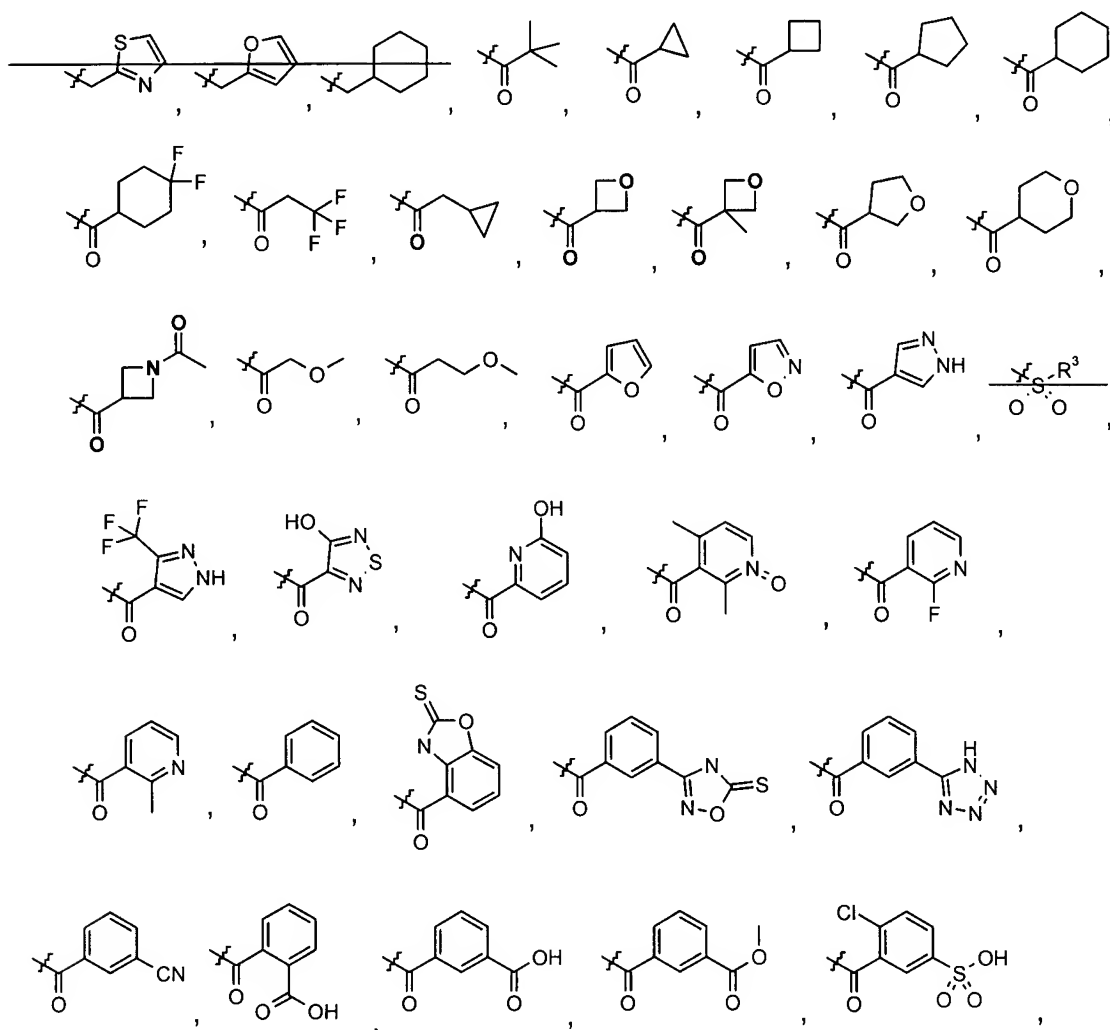
3. (Original) The compound of claim 1 wherein R<sup>1</sup> is phenyl mono- or  
 di- substituted with halogen.

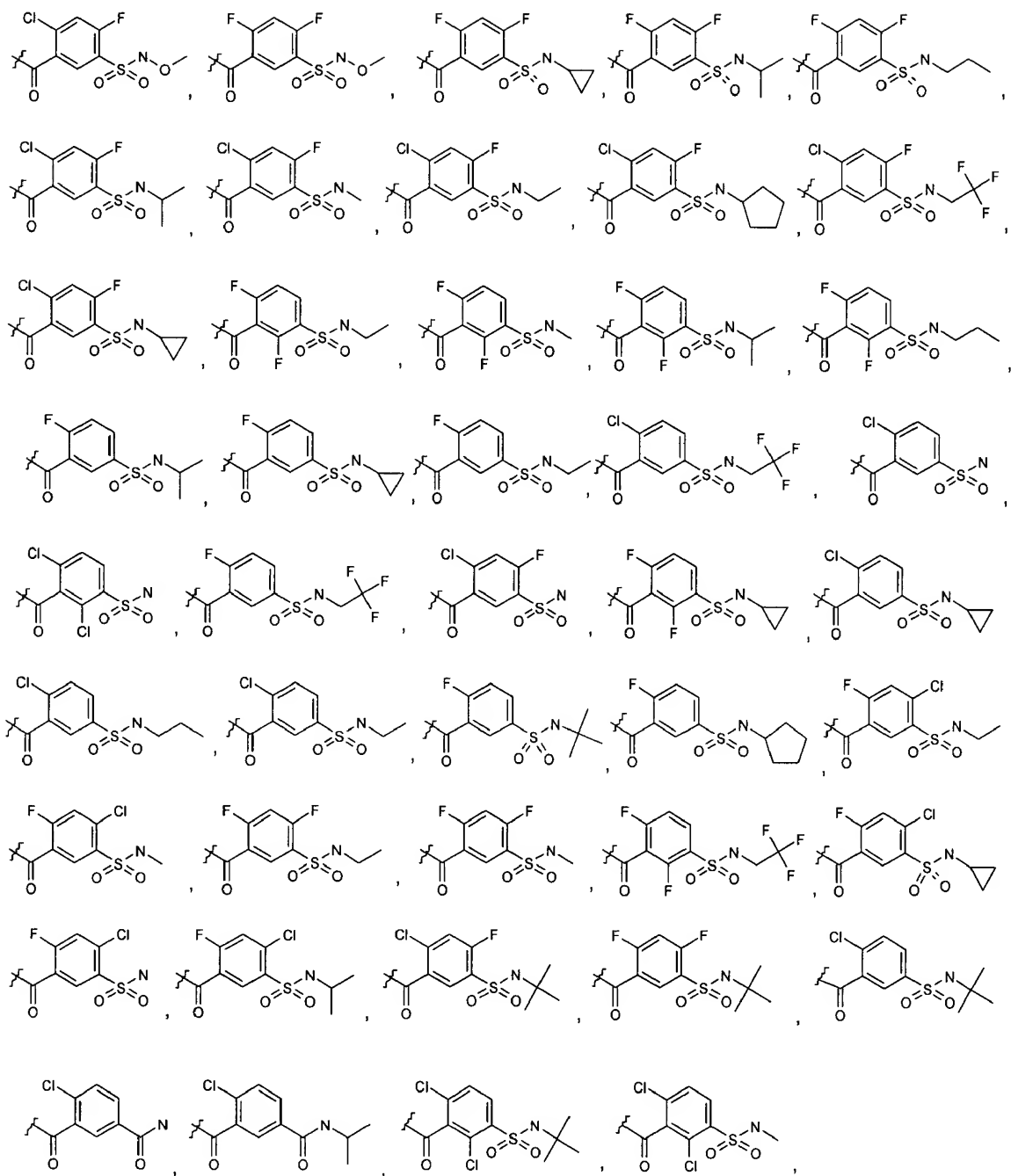
4. (Original) The compound of claim 3 wherein  $R^1$  is phenyl di-substituted with Cl.

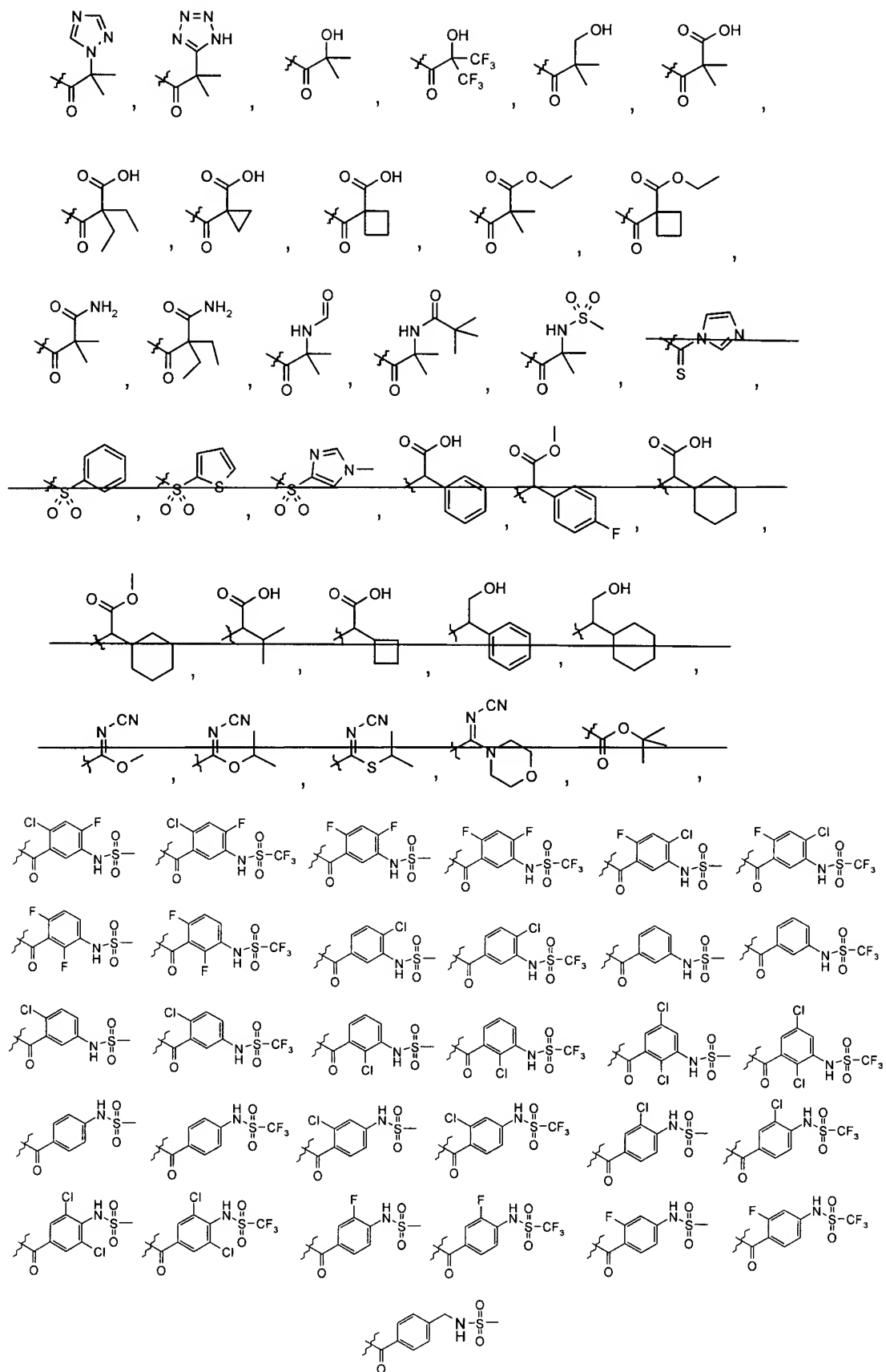
5. (Currently Amended) The compound of claim 1 wherein  $-(Y)_m-R^3$  is



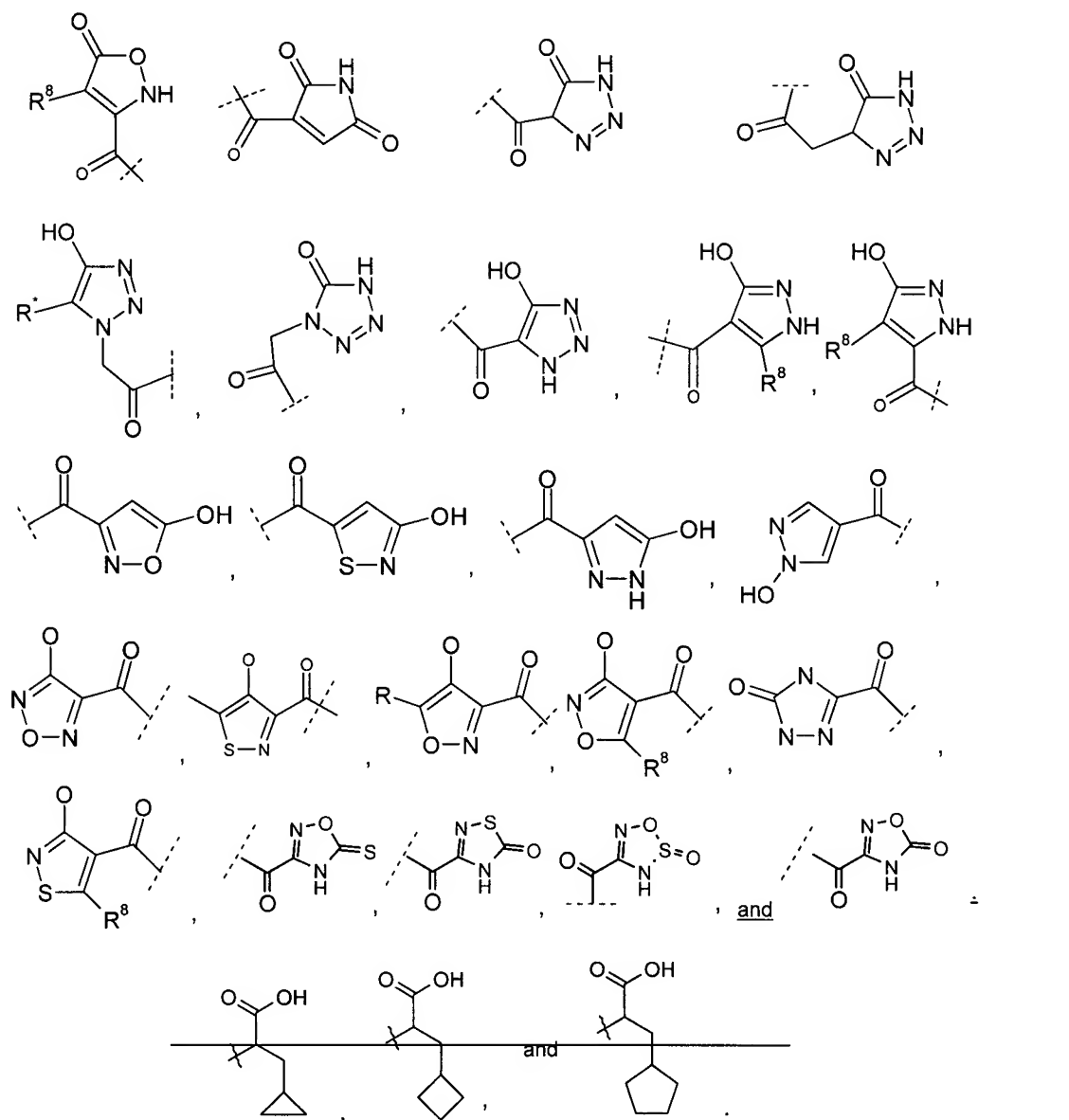
6. (Currently Amended) The compound of claim 1 wherein  $-(Y)_m-R^3$  is











7. (Original) The compound of claim 1 wherein m is 1, Y is  $-\text{C}(\text{O})-$ , and  $\text{R}^3$  is either aryl or heteroaryl wherein either is optionally substituted, optionally substituted alkyl, or optionally substituted cycloalkyl.

8 - 11 (Cancelled) .

12. (Original) The compound of claim 1 where X is  $-(CH_2)-$ ,  $-(CH_2-CH_2)-$ , or  $-(CH_2-CH_2-CH_2)-$ .

13. (Original) The compound of claim 12 wherein X is optionally substituted by one or more halogen or oxo.

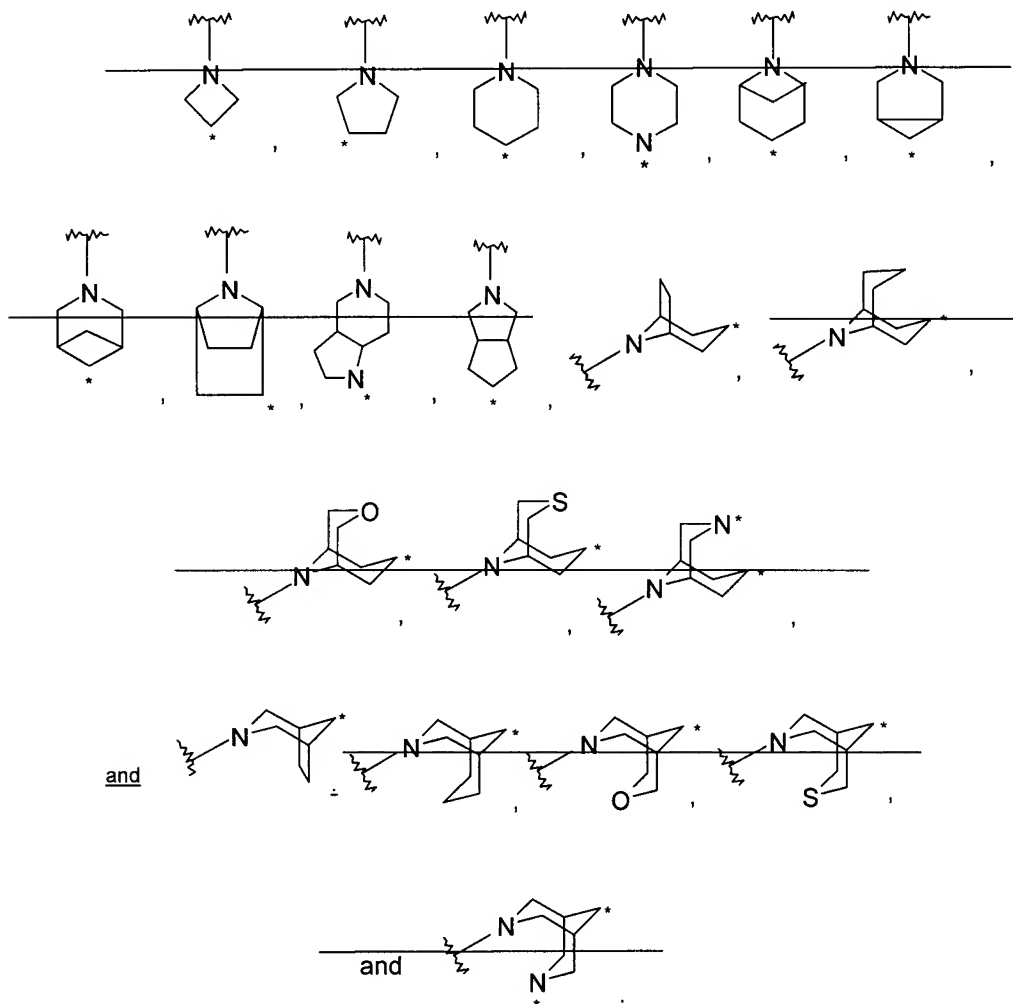
14. (Original) The compound of claim 13 wherein X is disubstituted with halogen.

15. (Original) The compound of claim 14 wherein X is disubstituted with fluoro.

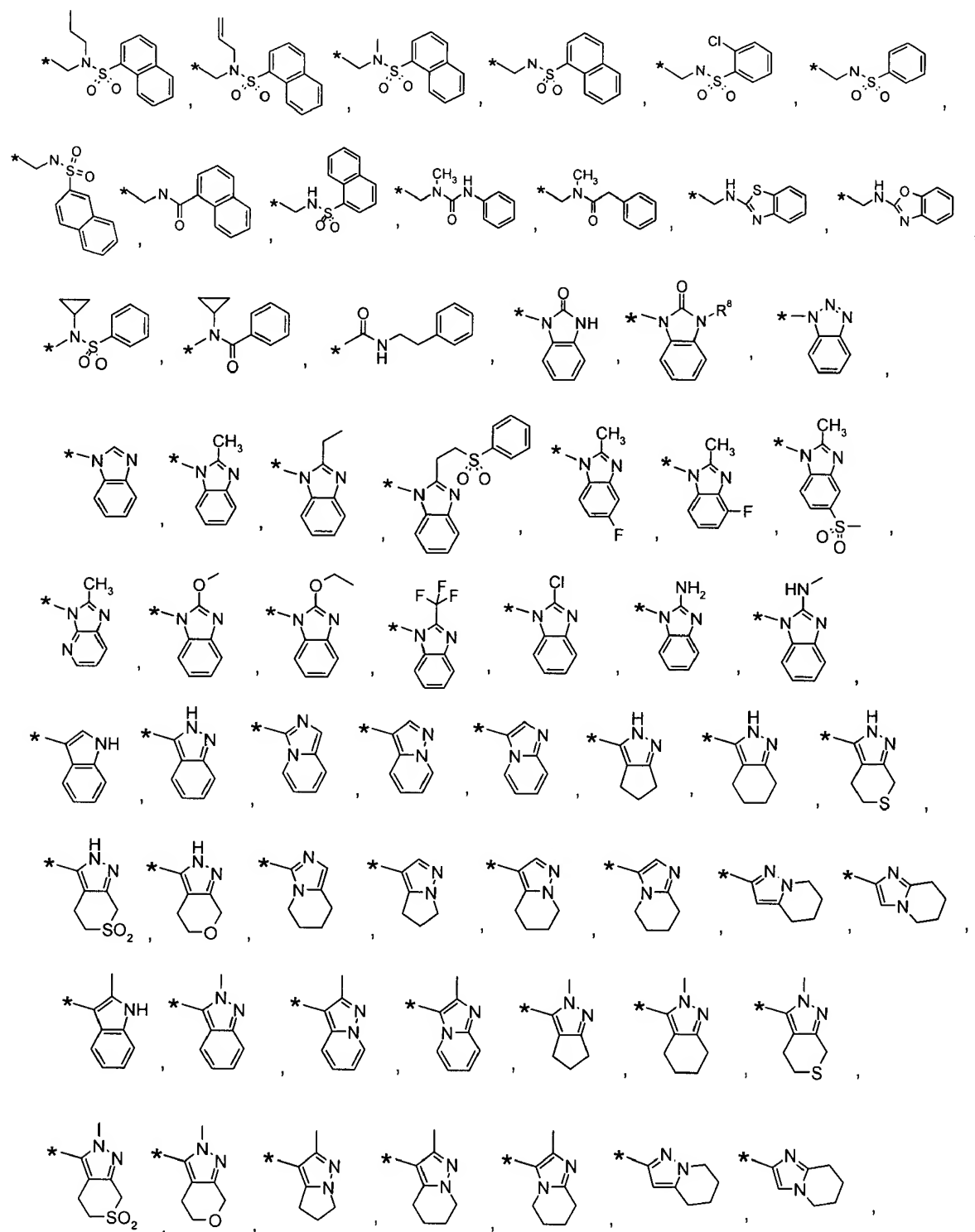
16. (Original) The compound of claim 15 wherein X is  $-(CF_2-CH_2)-$ .

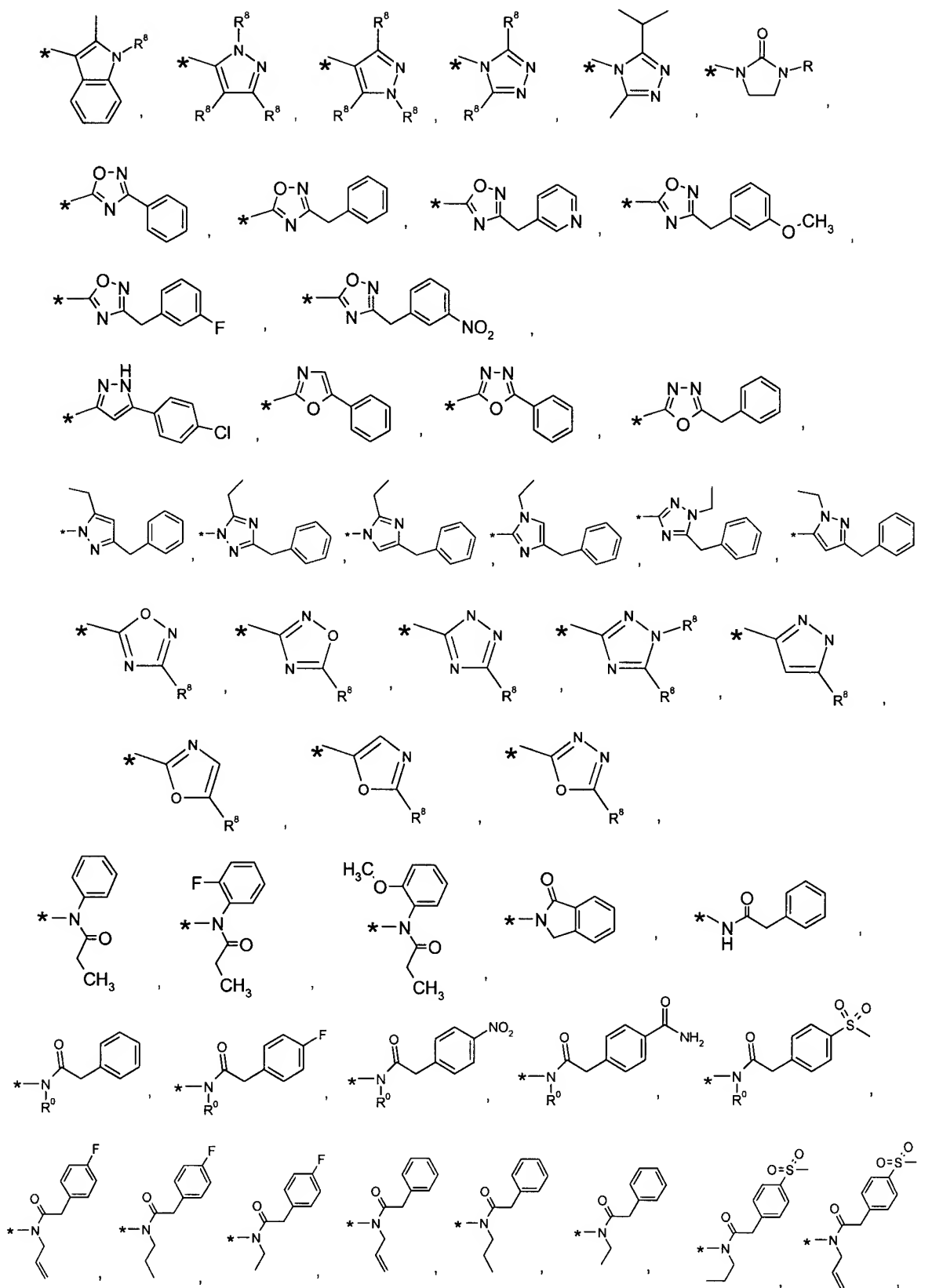
17. (Cancelled).

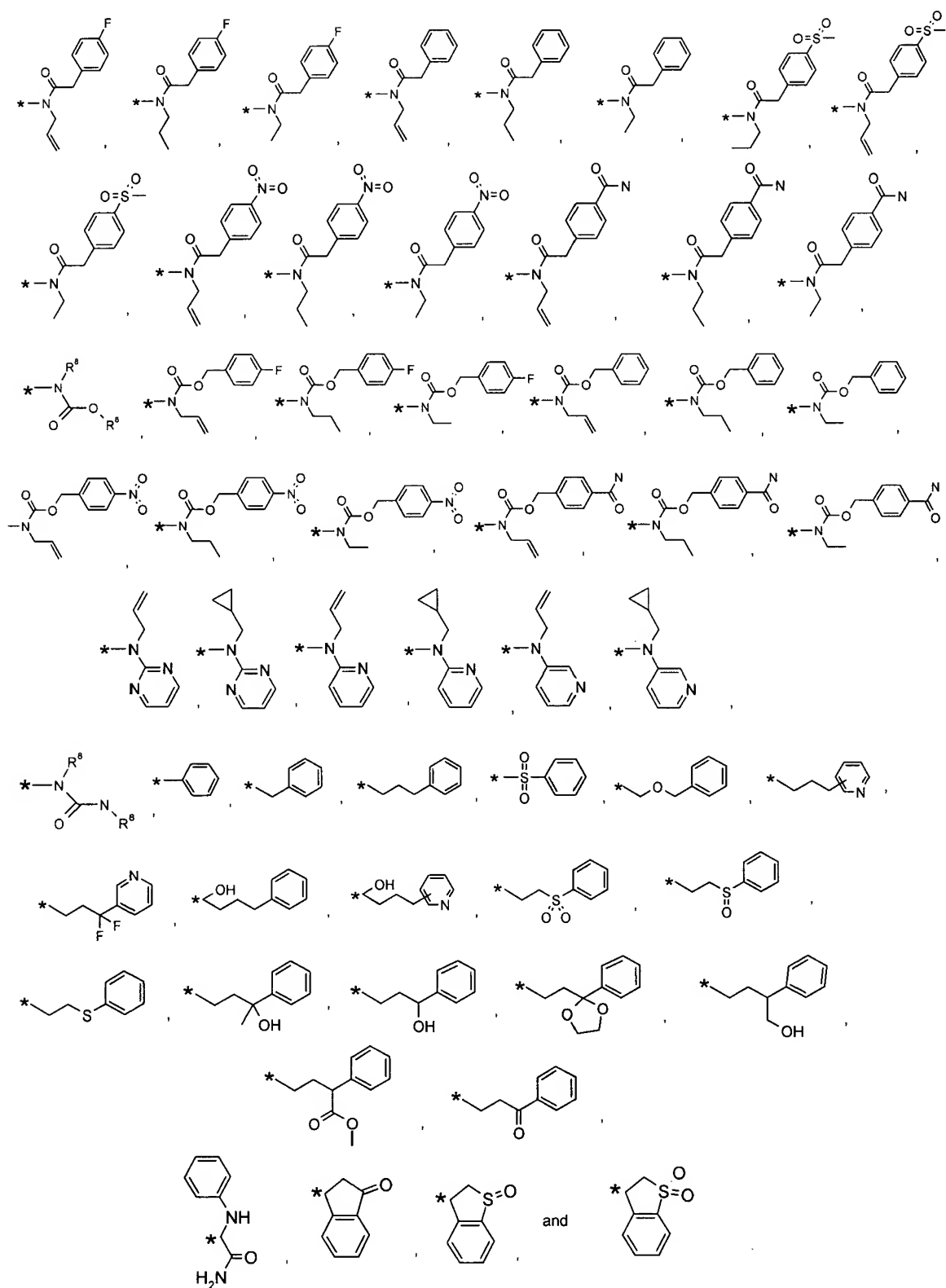
18. (Currently Amended) The compound of claim 1 wherein the A ring is selected from the following, where the asterisk (\*) indicates the preferred, but not limiting, point(s) of substitution:



19. (Original) The compound of claim 18 wherein each R<sup>2</sup>, with an asterisk indicating a point of substitution from ring A, independently is selected from:



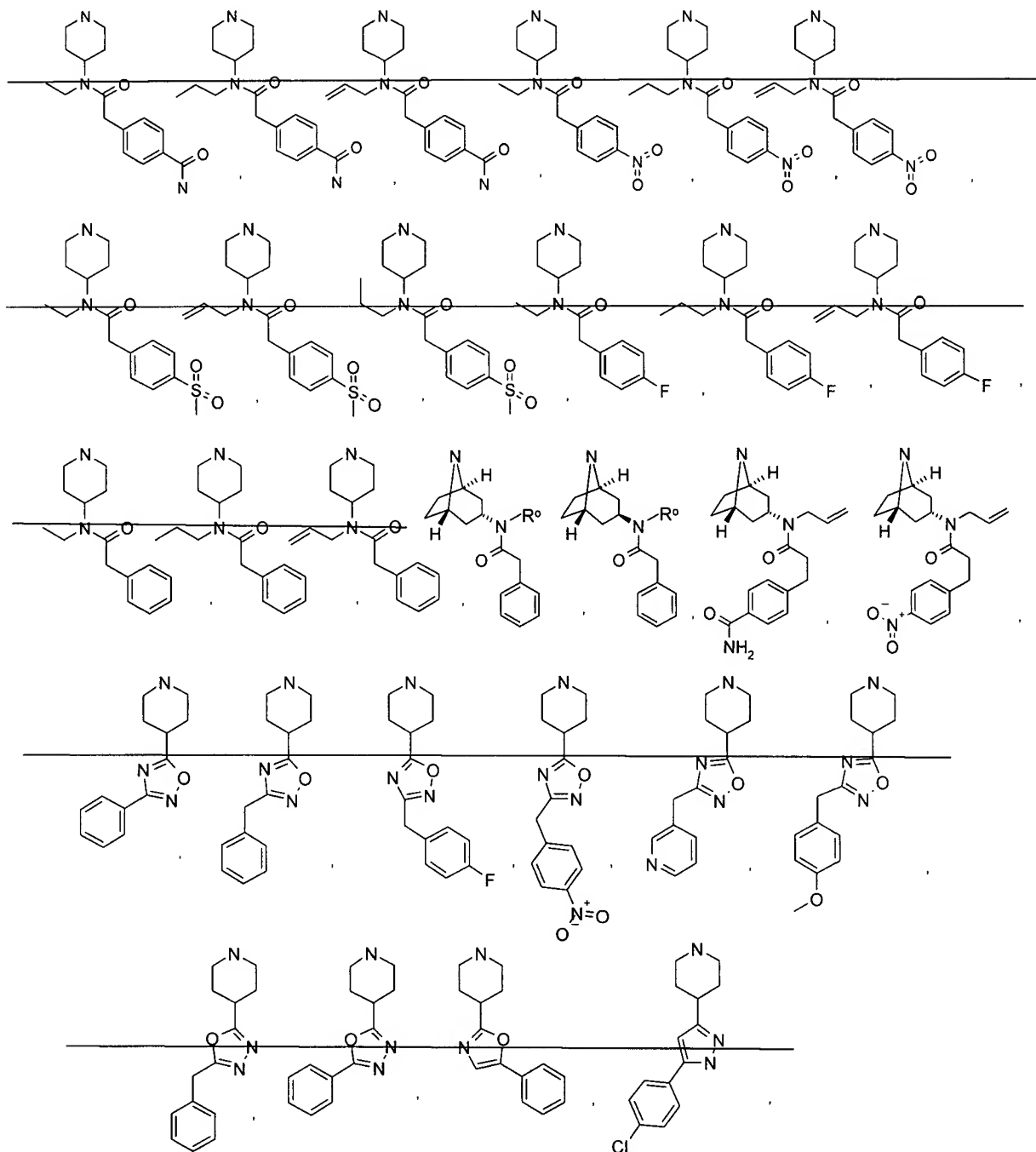




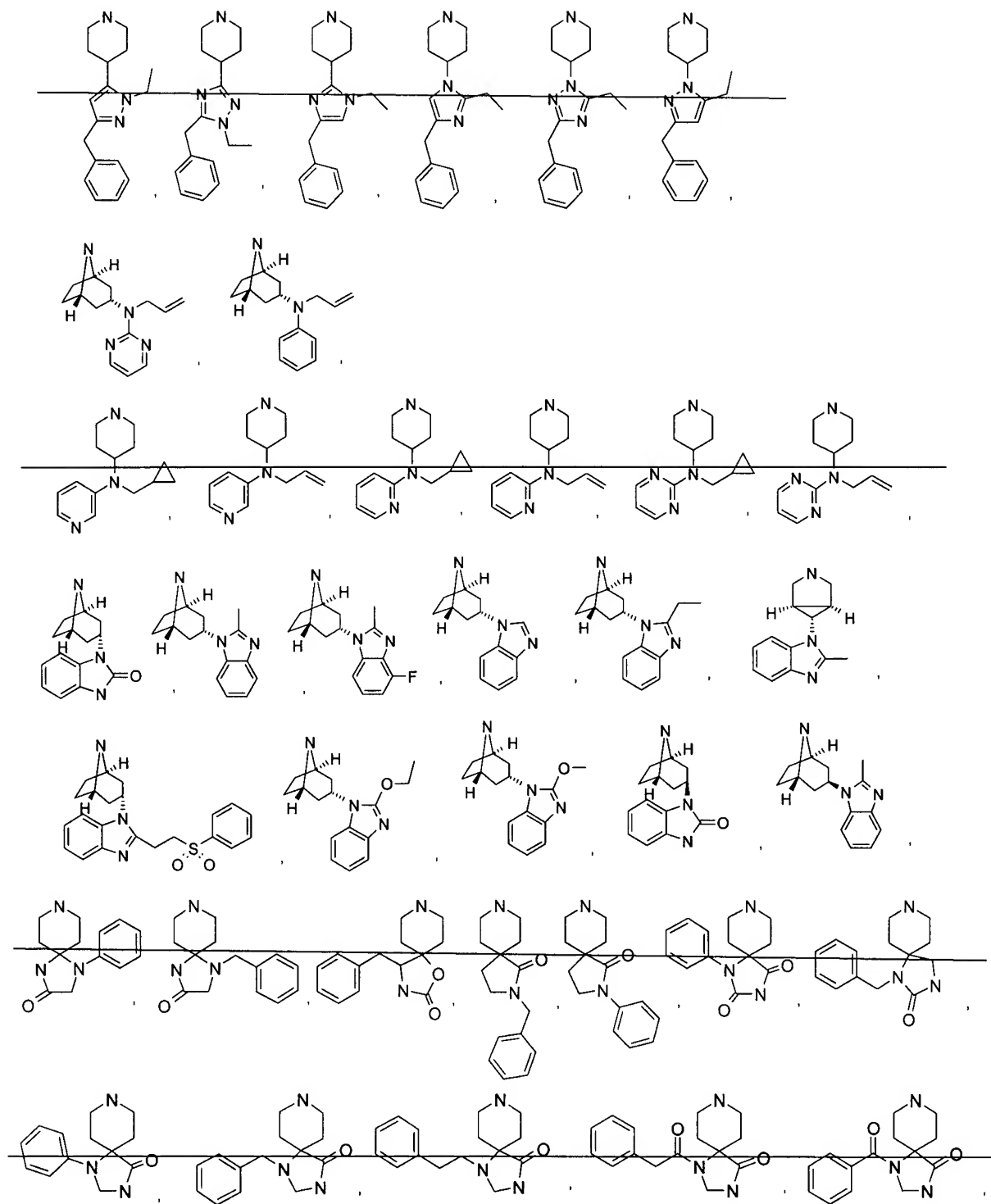
20. (Cancelled).

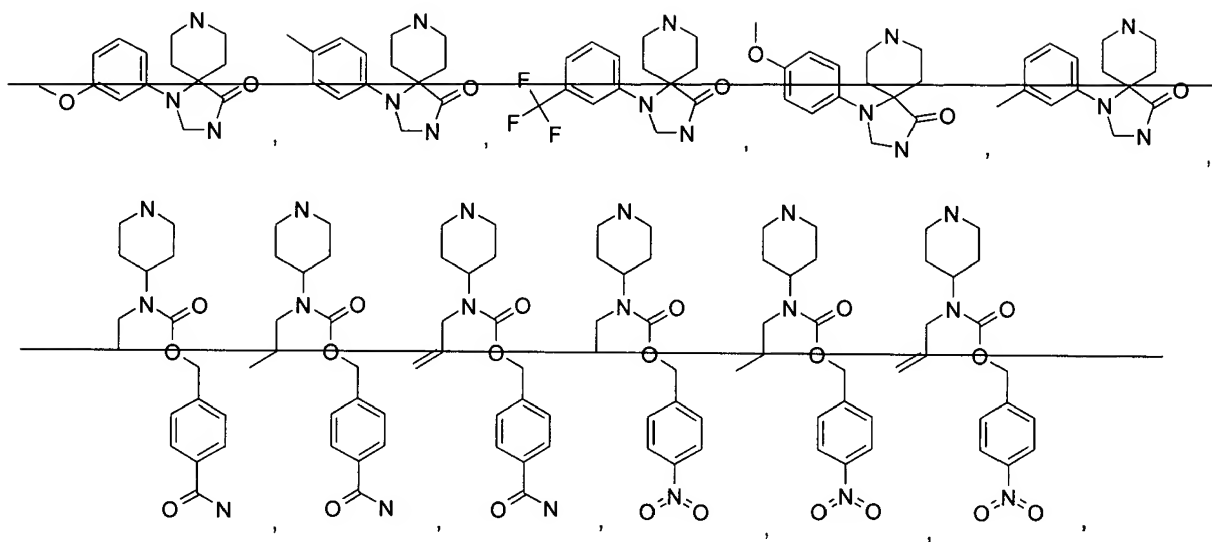
21. (Currently Amended) The compound of claim 1 wherein the A ring is tropane ~~or piperidine, either~~ optionally substituted with one or more R<sup>2</sup>.

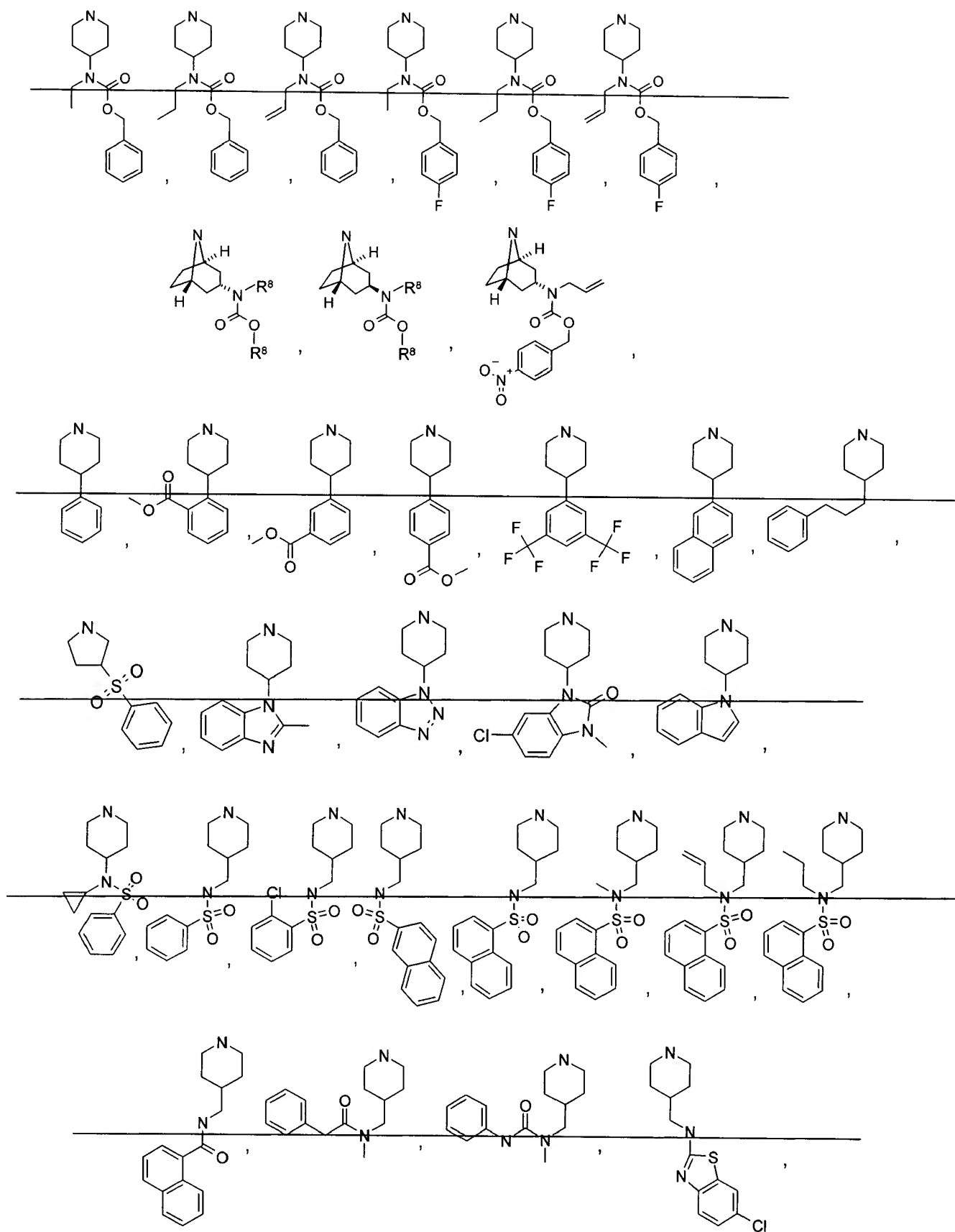
22. (Currently Amended) The compound of claim 21 wherein the A ring in combination with R<sup>2</sup> is

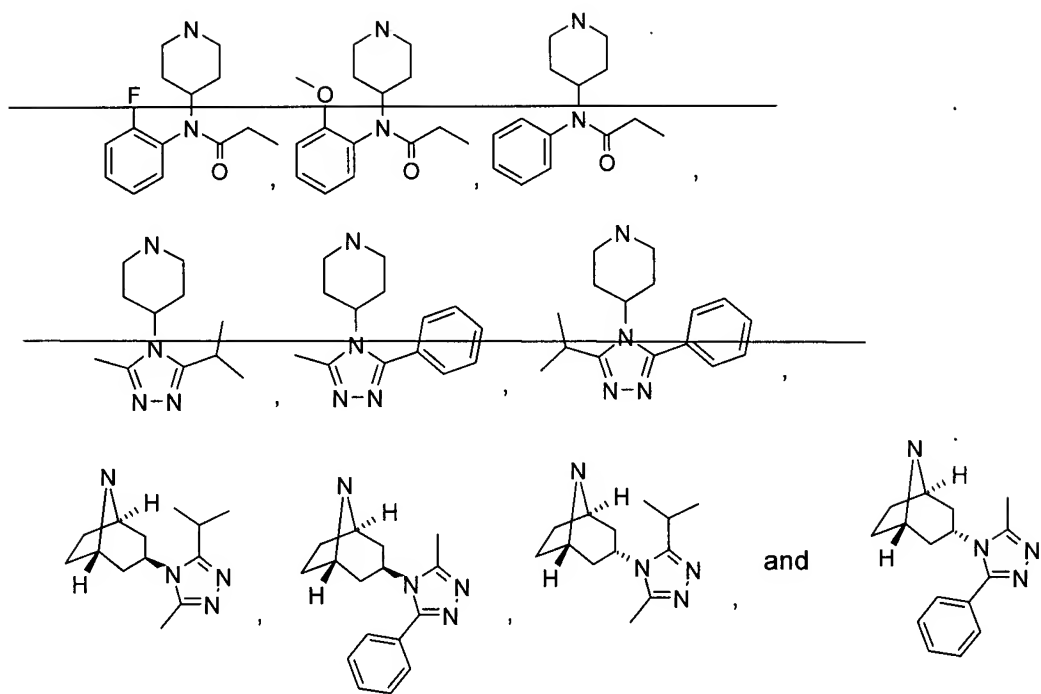






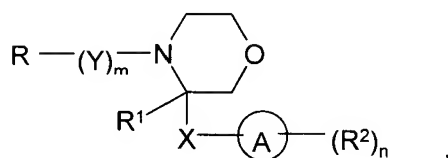
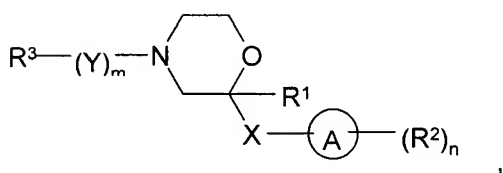
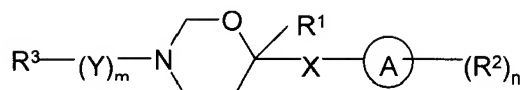
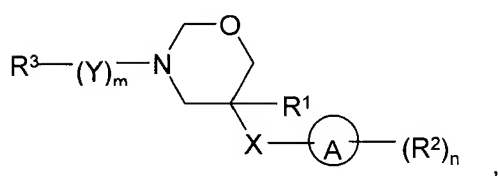
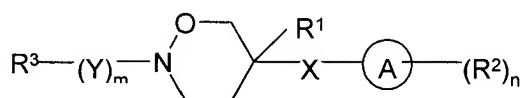
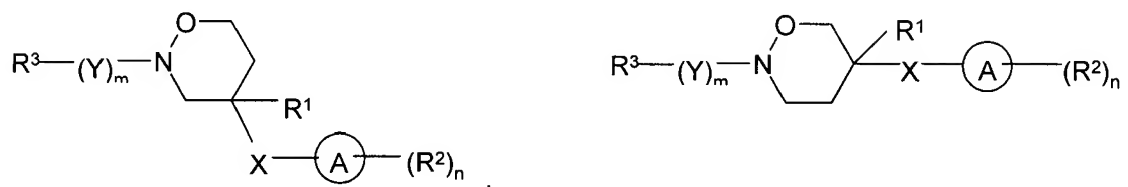




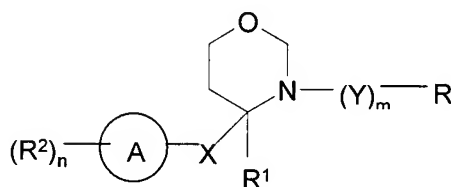


23 - 24 (Cancelled).

25. (Original) The compound of claim 1 wherein ring B is selected from the group consisting of



and



26. (Currently amended) A method of treatment of a viral infection in a ~~mammal~~ human comprising administering to said ~~mammal~~ human an antiviral effective amount of a compound according to claim 1.

27. (Original) A method according to claim 26 wherein the viral infection is an HIV infection.

28. (Currently amended) A method of treatment of a bacterial infection in a ~~mammal~~ human comprising administering to said ~~mammal~~ human an effective amount of a compound according to claim 1.

29. (Original) A method according to claim 28 wherein the bacterium is *Yersinia pestis*.

30. (Cancelled).

31. (Previously Amended) A compound according to claim 1 for use in medical therapy.

32-36 (Cancelled)

37. (Previously Amended) A pharmaceutical composition comprising a pharmaceutically effective amount of a compound according to claim 1 together with a pharmaceutically acceptable carrier.

38. (Previously Amended) The pharmaceutical composition according to claim 37 in the form of a tablet or capsule.

39. (Previously Amended) The pharmaceutical composition according to claim 37 in the form of a liquid.

40. (Currently amended) A method of treatment or prevention of a viral infection in a ~~mammal~~ human comprising administering to said ~~mammal~~ human a composition comprising a compound according to claim 1 and another therapeutic agent.

41. (Original) A method according to claim 40, wherein said composition comprises another therapeutic agent selected from the group

consisting of (1- $\alpha$ , 2- $\beta$ , 3- $\alpha$ )-9-[2,3-bis(hydroxymethyl)cyclobutyl]guanine [(-)BHCG, SQ-34514, lobucavir], 9-[(2R,3R,4S)-3,4-bis(hydroxymethyl)-2-oxetanosyl]adenine (oxetanocin-G), acyclic nucleosides, acyclovir, valaciclovir, famciclovir, ganciclovir, penciclovir, acyclic nucleoside phosphonates, (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine (HPMPC), [[[2-(6-amino-9H-purin-9-yl)ethoxy]methyl]phosphinylidene]bis(oxymethylene)-2,2-dimethylpropanoic acid (bis-POM PMEA, adefovir dipivoxil), [[[1R)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl]phosphonic acid (tenofovir), (R)-[[2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl]phosphonic acid bis-(isopropoxycarbonyloxymethyl)ester (bis-POC-PMPA), ribonucleotide reductase inhibitors, 2-acetylpyridine 5-[(2-chloroanilino)thiocarbonyl] thiocarbonohydrazone and hydroxyurea, nucleoside reverse transcriptase inhibitors, 3'-azido-3'-deoxythymidine (AZT, zidovudine), 2',3'-dideoxycytidine (ddC, zalcitabine), 2',3'-dideoxyadenosine, 2',3'-dideoxyinosine (ddI, didanosine), 2',3'-didehydrothymidine (d4T, stavudine), (-)- $\beta$ -D-2,6-diaminopurine dioxolane (DAPD), 3'-azido-2',3'-dideoxythymidine-5'-H-phosphophosphate (phosphonovir), 2'-deoxy-5-iodo-uridine (idoxuridine), (-)-cis-1-(2-hydroxymethyl)-1,3-oxathiolane 5-yl)-cytosine (lamivudine), cis-1-(2-(hydroxymethyl)-1,3-oxathiolan-5-yl)-5-fluorocytosine (FTC), 3'-deoxy-3'-fluorothymidine, 5-chloro-2',3'-dideoxy-3'-fluorouridine, (-)-cis-4-[2-amino-6-(cyclopropylamino)-9H-purin-9-yl]-2-cyclopentene-1-methanol (abacavir), 9-[4-hydroxy-2-(hydroxymethyl)but-1-yl]-guanine (H2G), ABT-606 (2HM-H2G) ribavirin, protease inhibitors, indinavir, ritonavir, nelfinavir, amprenavir, saquinavir, fosamprenavir, (R)-N-tert-butyl-3-[(2S,3S)-2-hydroxy-3-N-[(R)-2-N-(isoquinolin-5-yloxyacetyl)amino-3-methylthiopropionyl]amino-4-phenylbutanoyl]-5,5-dimethyl-1,3-thiazolidine-4-carboxamide (KNI-272), 4R-(4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )]-1,3-bis[(3-aminophenyl)methyl]hexahydro-5,6-dihydroxy-4,7-bis(phenylmethyl)-2H-1,3-diazepin-2-one dimethanesulfonate (mozenavir), 3-[1-[3-[2-(5-trifluoromethylpyridinyl)-sulfonylamino]phenyl]propyl]-4-hydroxy-6 $\alpha$ -phenethyl-6 $\beta$ -propyl-5,6-dihydro-2-pyranone (tipranavir), N'-[2(S)-Hydroxy-3(S)-[N-(methoxycarbonyl)-l-tert-leucylamino]-4-phenylbutyl]-N  $\alpha$ -

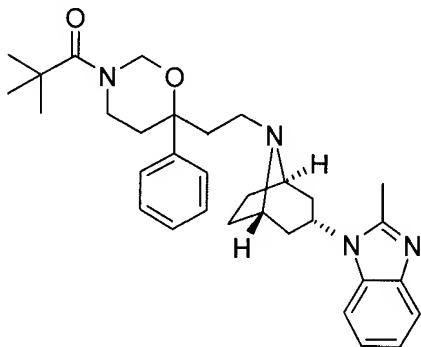
(methoxycarbonyl)-N'-[4-(2-pyridyl)benzyl]-L- tert-leucylhydrazide (BMS-232632), 3-(2(S)-Hydroxy-3(S)-(3-hydroxy-2-methylbenzamido)-4-phenylbutanoyl)-5,5-dimethyl-N-(2-methylbenzyl)thiazolidine-4(R)-carboxamide (AG-1776), N-(2(R)-hydroxy-1(S)-indanyl)-2(R)-phenyl-methyl-4(S)-hydroxy-5-(1-(1-(4-benzo[b]furanylmethyl)-2(S)-N'-(tert-butylcarboxamido)piperazinyl)pentanamide (MK-944A), interferons,  $\alpha$ -interferon, renal excretion inhibitors, probenecid, nucleoside transport inhibitors, dipyridamole, pentoxifylline, N-acetylcysteine (NAC), Procysteine,  $\alpha$ -trichosanthin, phosphonoformic acid, immunomodulators, interleukin II, thymosin, granulocyte macrophage colony stimulating factors, erythropoietin, soluble CD<sub>4</sub> and genetically engineered derivatives thereof, non-nucleoside reverse transcriptase inhibitors (NNRTIs), nevirapine (BI-RG-587), alpha-((2-acetyl-5-methylphenyl)amino)-2,6-dichloro-benzeneacetamide (loviride), 1-[3-(isopropylamino)-2-pyridyl]-4-[5-(methanesulfonamido)-1H-indol-2-ylcarbonyl]piperazine monomethanesulfonate (delavirdine), (10R, 11S, 12S)-12-hydroxy-6, 6, 10, 11-tetramethyl-4-propyl-11,12-dihydro-2H, 6H, 10H-benzo(1, 2-b:3, 4-b':5, 6-b'')tripyrane-2-one ((+) calanolide A), (4S)-6-Chloro-4-[1E]-cyclopropylethenyl)-3,4- dihydro-4-(trifluoromethyl)-2(1H)-quinazolinone (DPC-083), (S)-6-chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one (efavirenz, DMP 266), 1-(ethoxymethyl)-5-(1-methylethyl)-6-(phenylmethyl)-2,4(1H,3H)-pyrimidinedione (MKC-442), and 5-(3,5-dichlorophenyl)thio-4-isopropyl-1-(4-pyridyl)methyl-1H-imidazol-2-ylmethyl carbamate (capravirine), glycoprotein 120 antagonists, PRO-2000, PRO-542, 1,4-bis[3-[(2, 4- dichlorophenyl)carbonylamino]-2-oxo-5,8-disodiumsulfanyl]naphthalyl-2, 5-dimethoxyphenyl-1, 4-dihydrazone (FP-21399), cytokine antagonists, reticulose (Product-R), 1,1'-azobis-formamide (ADA), 1,11-(1,4-phenylenebis(methylene))bis-1,4,8,11-tetraazacyclotetradecane octahydrochloride (AMD-3100), integrase inhibitors, and fusion inhibitors.

42. (Currently Amended) A method of treatment of a viral infection in a ~~mammal~~ human comprising administering to said ~~mammal~~ human a composition comprising a compound according to claim 1 and ritonavir.

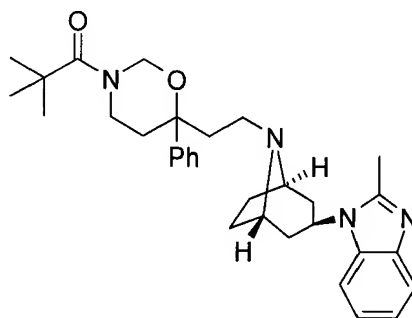


43. (New) A compound according to Claim 1 selected from the group consisting of:

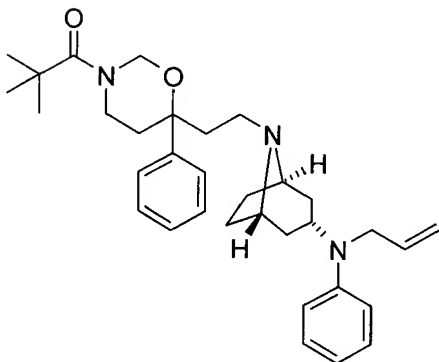
1-((1*R*,5*S*)-8-{2-[3-(2,2-dimethylpropanoyl)-6-phenyl-1,3-oxazinan-6-yl]ethyl}-8-azabicyclo[3.2.1]oct-3-yl)-2-methyl-1*H*-benzimidazole;



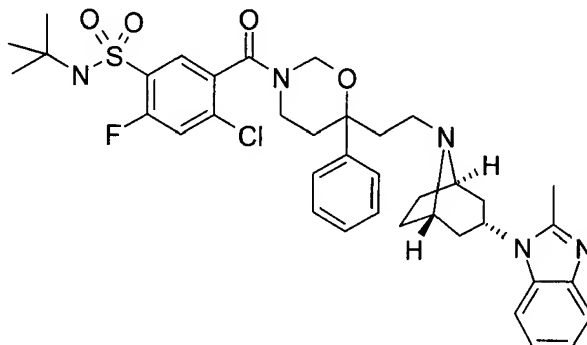
1-((1*R*,5*S*)-8-{2-[3-(2,2-dimethylpropanoyl)-6-phenyl-1,3-oxazinan-6-yl]ethyl}-8-azabicyclo[3.2.1]oct-3-yl)-2-methyl-1*H*-benzimidazole;



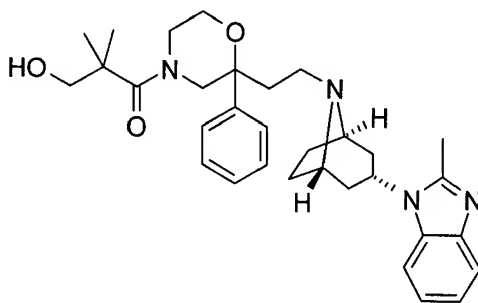
(1*R*,5*S*)-*N*-allyl-8-{2-[3-(2,2-dimethylpropanoyl)-6-phenyl-1,3-oxazinan-6-yl]ethyl}-*N*-phenyl-8-azabicyclo[3.2.1]octan-3-amine;



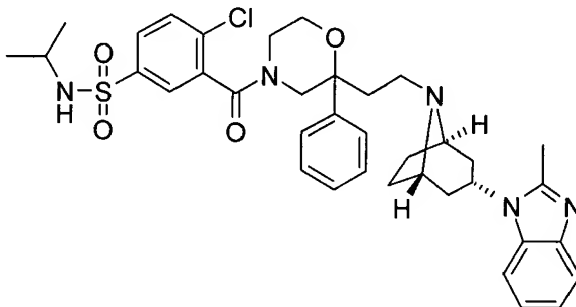
*N*-(*tert*-butyl)-4-chloro-2-fluoro-5-[(6-{2-[(1*R*,5*S*)-3-(2-methyl-1*H*-benzimidazol-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]ethyl}-6-phenyl-1,3-oxazinan-3-yl)carbonyl] benzenesulfonamide;



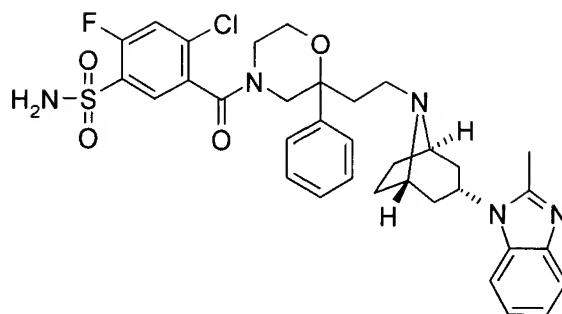
2,2-dimethyl-3-(2-{2-[(1*R*,5*S*)-3-(2-methyl-1*H*-benzimidazol-1-yl)-8-azabicyclo [3.2.1]oct-8-yl]ethyl}-2-phenylmorpholin-4-yl)-3-oxopropan-1-ol;



4-chloro-*N*-isopropyl-3-[(2-{2-[(1*R*,5*S*)-3-(2-methyl-1*H*-benzimidazol-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]ethyl}-2-phenylmorpholin-4-yl)carbonyl]benzene sulfonamide;



4-chloro-2-fluoro-5-[(2-{2-[(1*R*,5*S*)-3-(2-methyl-1*H*-benzimidazol-1-yl)-8-azabicyclo[3.2.1]oct-8-yl]ethyl}-2-phenylmorpholin-4-yl)carbonyl]benzene sulfonamide;



and

1-((1R,5S)-8-{2-[4-(2,2-dimethylpropanoyl)-2-phenylmorpholin-2-yl]ethyl}-8-azabicyclo[3.2.1]oct-3-yl)-2-methyl-1H-benzimidazole;

